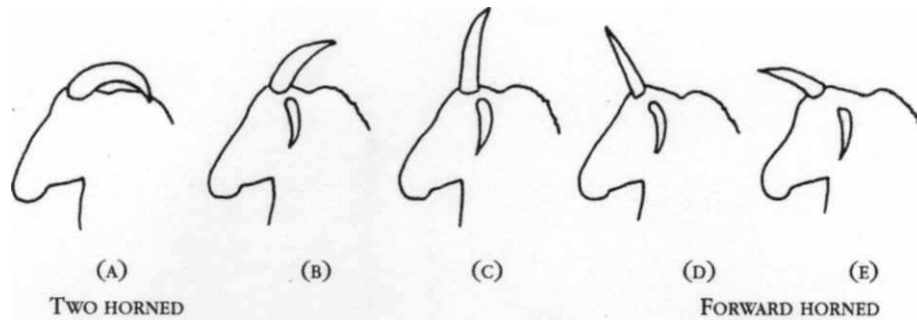


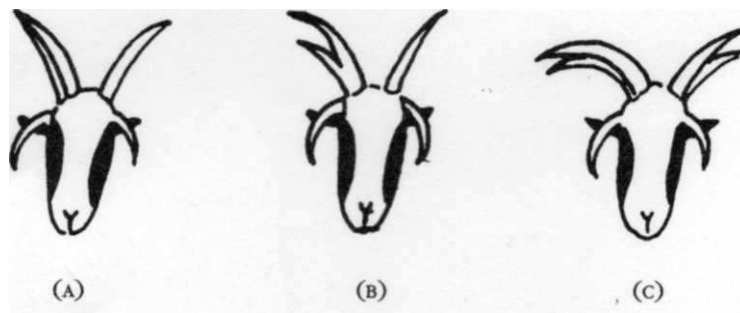
## THE RELATIVE ANGLES OF TOP HORNS IN JACOB SHEEP

by Lesley Partridge



A young polycerate lamb with excessively forward growing top horns may have an area at the back of the head where Frontal and Parietal skull bones fail to meet. Such an unfortunate individual is especially vulnerable to injury when amongst sparring ram lambs, and on some occasions may lead to death by fracture of skull.

## LONGITUDINAL DIVISION OF THE TOP HORNS



- (a) Some sheep carry a longitudinal groove along the outer surface of the top horn core. According to B.A. Noddle (The Ark vol. 7 no. 5) "his groove is visible on the horns of wild sheep of the Urial type."
- (b) The splitting of a top horn.
- (c) The different growth rates of partly divided top horns, illustrate the 'pull down' effect in a six horned animal.